



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Albert Lewis
Serial No.: 10/667,179
Title: HIGH TEMPERATURE GLASS FIBER INSULATION
Examiner: Elizabeth A. Bolden
Group Art Unit: 1755

Commissioner For Patents
P. O. Box 1450
Alexandria, VA. 22313-1450

DECLARATION OF ALBERT LEWIS

I, Albert Lewis, state:

I am the Applicant herein and president of Glass Incorporated.

Commencing in 1978 and continuing intermittently for some years thereafter, I and my staff conducted a series of experiments and tests of various combinations, with wide variations of glass fibers.

At later times, I had knowledge of the three respective cited reference patents, Fyles, Rapp and Chvalovsky et al, after each respective patent issued.

A variety of compositions were tested, considered and abandoned after respective tests and experiments encompassing the ranges of the ingredients of the three respective cited prior patents. Our respective tests and experiments encompassed the ranges of the compositions and ranges of components of each of these three respective cited prior patents.

None of the three cited patents disclosed anything related to glass fibers of the small fiber diameters involved in our experiments and tests.

The tests of compositions according to various formulae, including the compositions of the respective cited patents, Fyles, Rapp and Chvalovsky, clearly demonstrated that they could not when produced as described in the patents, withstand the very high temperatures with which we were concerned, and could not provide the insulation and acoustical properties which are mentioned in my pending application.

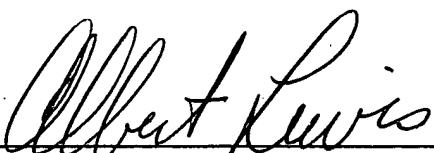
It became clear from the experimentation and testing from 1983 onward that it was necessary to develop a new high-temperature glass composition.

Our rather extensive experimentation work produced a composition that was adequately fiberizable after extensive testing over a substantial period of time which could withstand the temperatures of concern, and which had other required properties according to my pending patent application.

The testing and experimentation over the extended period demonstrated that such combinations as those of Claims 1 and 21 of my pending application herein provide and involve a distinct property difference over the prior art, characterized by the distinct property of the glass fibers utilized being resistant to the high temperatures and having the other properties required in aircraft burn-through prevention, as set forth in my pending patent application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Dated: 1-27-05



Albert Lewis